



**U.S. UTILITY Patent Application**

**O.L.P.E.**

**PATENT DATE**

A15  
SCANNED 4km (4) Q.S.

APPLICATION NO. 09/828635	CONT/PRIOR	CLASS 428	SUBCLASS 692	ART UNIT 1773	EXAMINER BERNATZ
APPLICANTS		Kyusik Sim Ningbia Zhou Yingjiann Chen			
TITLE		Spin valve sensors having synthetic antiferromagnet for longitudinal bias			
1773					

## ISSUING CLASSIFICATION

<input type="checkbox"/> <b>TERMINAL DISCLAIMER</b>		<b>DRAWINGS</b>			<b>CLAIMS ALLOWED</b>	
		<b>Sheets Drwg.</b>	<b>Figs. Drwg.</b>	<b>Print Fig.</b>	<b>Total Claims</b>	<b>Print Claim for O.G.</b>
<input type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.					<b>NOTICE OF ALLOWANCE MAILED</b>	
<input type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S Patent. No. _____		(Assistant Examiner) _____ (Date) _____				
<input type="checkbox"/> The terminal _____ months of this patent have been disclaimed.		(Primary Examiner) _____ (Date) _____			<b>ISSUE FEE</b>	
<b>ISSUE BATCH NUMBER</b>						

**WARNING**

**WARNING:** The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 365. Disclosure outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

**Form PTO-438A  
(Rev. 6/96)**

FILED WITH:  DISK (CRF)  FICHE  CD-ROM  
(Attach to front or right inside flap)

**BEST AVAILABLE COPY**

(FACE)